



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT

2821,

#5
S-I

11/20-03

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In the Matter of the Application of:

Kenneth V. Puglia

Serial No.: 09/996,652

Filed: November 28, 2001

For: Sensor Front-End With Phase Coding Capabilities

Examiner: Unknown Group Art Unit: 2821
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Commissioner for Patents

Alexandria, VA 22313-1450

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail addressed to the Commissioner for Patents, Alexandria, VA 22313-1450 on November 4, 2003.

Paula M. Capriglione
Paula M. Capriglione

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INFORMATION DISCLOSURE
STATEMENT TRANSMITTAL LETTER

Sir:

An Information Disclosure Statement is submitted herewith pursuant to 37 CFR §§1.97-1.98. The enclosed statement is being filed within three months of the filing date of a national application, or within three months of the date of entry into the national stage as set forth in 37 CFR §1.491 in an international application, or before the mailing date of a first Office Action on the merits, whichever event occurs last. However, in the event a fee is due in connection with this communication, the Commissioner is authorized to charge Deposit Account No. 23-1950.

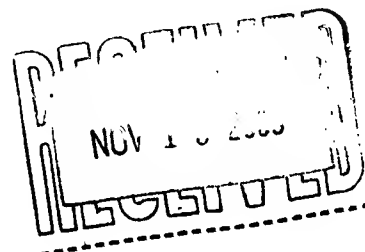
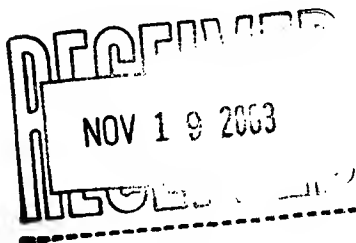
Respectfully submitted,

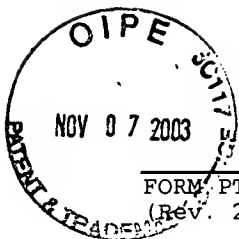
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17691
09/996,652



FORM PTO-1449
(Rev. 2-32)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. / DOCKET NO. / SERIAL NO.
MA / 17691 / 09/996,652INFORMATION DISCLOSURE
STATEMENT BY APPLICANTAPPLICANT
Kenneth V. PugliaFILING DATE / GROUP
11/28/01 / 2821

U.S. PATENT DOCUMENTS							
EXAM INIT		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FIL. DATE
	AA	4,078,234	3/78	Fishbein et al.	343	9	5/76
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						

FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRNS Y/N
	AK	EP 0 809 118 A1	11/97	Europe	G01S	13/32	
	AL	EP 0 940 690 A2	9/99	Europe	G01S	13/56	
	AM						
	AN						
	AO						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	AP		Patent Abstracts of Japan, Publication Number 01047985, Publication Date 22-02-89, Application Date 18-08-87. Intl. Cl. G01S 13/32.
	AR		Williams D A: "Millimetre Wave Radars for Automotive Applications" Microwave Symposium Digest, 1992., IEEE MTT-S International Albuquerque NM, USA 1-5 June 1992, New York, NY USA, IEEE, US, 1 June 1992 (1992-06-01), pages 721-724, XP010062944. ISBN: 0-7803-0611-2
	AS		

Examiner:

Date Considered:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.